

2100 Pennsylvania Avenue, NW  
Washington, DC 20037-3213

T 202.293.7060  
F 202.293.7860

www.sughrue.com

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SUGHRUE MION, PLLC

February 19, 2002

BOX PATENT APPLICATION  
Commissioner for Patents  
Washington, D.C. 20231

Re: Application of Keigo BANNO, Hideki ISHIKAWA, Yoshikuni SATO, Noboru ISHIDA  
and Takafumi OSHIMA  
ULTRASONIC-WAVE PROPAGATION-TIME MEASURING METHOD AND GAS  
CONCENTRATION SENSOR  
**Assignee: NGK SPARK PLUG CO., LTD.**  
Our Ref. Q68513

Dear Sir:

Attached hereto is the application identified above comprising twenty-seven (27) sheets of the specification, including the claims and abstract and , nine (9) sheets of drawings. **The executed Declaration and Power of Attorney and Assignment will be submitted at a later date.** Also enclosed is an Information Disclosure Statement and PTO Form 1449 with references.

The Government filing fee is calculated as follows:

Total claims	9	-	20	=		x	\$18.00	=	\$ .00
Independent claims	1	-	3	=		x	\$84.00	=	\$ .00
Base Fee									\$740.00
<b>TOTAL FEE</b>									<b>\$740.00</b>

A check for the statutory filing fee of \$740.00 is attached. You are also directed and authorized to charge or credit any difference or overpayment to Deposit Account No. 19-4880. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 and any petitions for extension of time under 37 C.F.R. § 1.136 which may be required during the entire pendency of the application to Deposit Account No. 19-4880. A duplicate copy of this transmittal letter is attached.

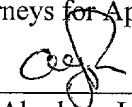
Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2001-41680	February 19, 2001

The priority document is enclosed herewith.

Respectfully submitted,  
SUGHRUE MION, PLLC

Attorneys for Applicant

By:   
Abraham J. Rosner  
Registration No. 33,276

AJR/tmm